

REMARKS

Claims 1, 4, 5, 10-13, 18-20, and 25-34 are pending. Claims 2 and 3 were previously canceled, and claims 6-9, 14-17, and 21-24 are canceled by the present amendment. Claims 25-34 are added by this amendment. No fee for additional claims is due.

Claim Objections

Claims 4, 12, and 19 are objected to as lacking antecedent basis for the limitation “the value of the absolute value.” Claims 4, 12, and 19 are amended to now recite “calculating the logarithms of the absolute values of the inverse-transformed samples”, where “the absolute values of the inverse-transformed samples” is recited in independent claim 1. Thus, claims 4, 12 and 19 provide the necessary antecedent basis and the objection should be withdrawn.

35 U.S.C. § 101

Claims 1 and 4-24 are rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter. Reconsideration is requested. Independent claim 1 is amended to recite calculating the absolute values of the inverse-transformed samples and displaying an envelope curve of the modulated input signal based on the absolute values of the inverse-transformed samples. Thus, as suggested by the official action, claim 1 now recites a useful, concrete, and tangible result, where the output of the series of claimed calculations is displayed. Claims 10 and 18 are amended to depend from claim 1. Therefore, claims 4, 5, 10-13, 18-20, depending from claim 1, are now in compliance with 35 U.S.C. § 101.

Claims 25-34 are added by this amendment and are directed to a computing apparatus embodiment. Each of claims 25-34, similar to claim 1, recite a processing apparatus programmed to calculate absolute values of inverse-transformed samples, and output to a display unit an envelope curve of the modulated input signal based on the absolute values of the inverse-transformed samples. Thus, for similar reasons discussed above, claims 25-34 are also in compliance with 35 U.S.C. § 101.

CONCLUSION

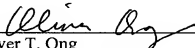
For the foregoing reasons, the applicant respectfully requests reconsideration and withdrawal of the rejections and allowance of claims 1, 4, 5, 10-13, 18-20, and 25-34.

If there are matters that can be discussed by telephone to further the prosecution of this application, the applicant respectfully requests that the examiner call its attorney at the number listed below.

Respectfully submitted,

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